



# ADAMSON IS10p Point Source Bi Amped User Manual

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## ADAMSON IS10p Point Source Bi Amped



# IS10p User Manual

Distribution Date: March 1st, 2021 Copyright 2021 by Adamson Systems Engineering Inc.; all rights reserved  
This manual must be accessible to the person operating this product. As such, the product owner must store it in a safe place and make it available upon request to any operator. Resale of this product must include a copy of this manual.

This manual can be downloaded from <https://www.adamsonsystems.com/en/support/downloads-directory/is-series/is10p>

## Declarations

### EU Declaration of Conformity

Adamson Systems Engineering declares that the products stated below are in conformance with the relevant fundamental health and safety criteria of the applicable EC Directive(s), in particular:

#### Directive 2014/35/EU: Low Voltage Directive

963-0004 IS10p - 70 x 40  
963-0005 IS10pb - 70 x 40  
963-0006 IS10p - 100 x 50  
963-0007 IS10pb - 100 x 50

#### Directive 2006/42/EC: Machinery Directive

934-0029 IS10p Horizontal Bracket  
934-0030 IS10p Vertical Bracket  
930-0031 IS7p & IS10p Fill Plate  
932-0006 IS-Series Bracket C-Clamp  
932-0039 IS-Series Pole Mount Adapter  
932-0040 IS-Series C-Clamp  
932-0041 IS-Series Point H-Clamp  
932-0042 IS-Series Tilt Adapter  
932-0044 IS-Series Mount Link  
934-0026 IS-Series Sight Mount  
934-0031 IS-Series Super Sight Mount  
934-0032 IS-Series Articulator



Signed at Port Perry, ON, CA - March 1st, 2021

Brock Adamson (President & CEO)

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## Safety & Warnings

Read these instructions, keep them available for reference. This manual can be downloaded from

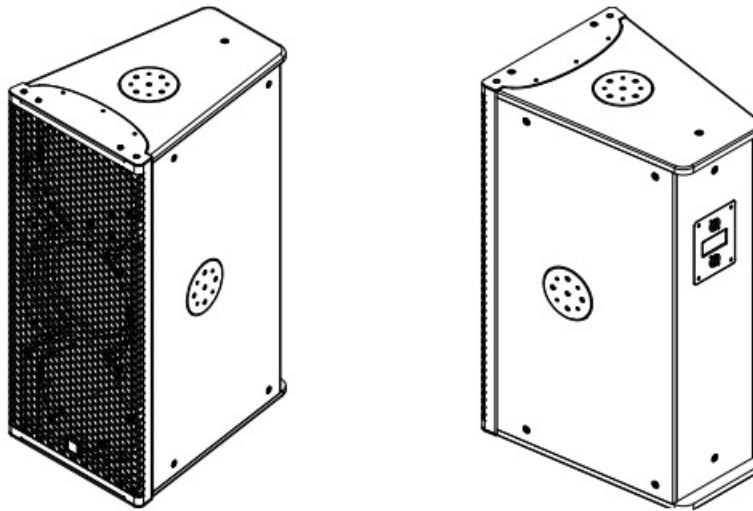
<https://www.adamsonsystems.com/en/support/downloads-directory/is-series/is10p>

- Heed all warnings and follow all instructions.
- A qualified technician must be present during the installation and use of this product. This product is capable of producing extremely high sound pressure levels and should be used according to the specified local sound level regulations and good judgement. Adamson Systems Engineering will not be liable for damages caused by any possible misuse of this product.
- Servicing is required when the loudspeaker has been damaged in any way, such as when the loudspeaker has been dropped; or when for undetermined reasons the loudspeaker does not operate normally.
- Protect the cabling from being walked on or pinched.
- Read the appropriate IS-Series Rigging Manual before installing the product.
- Pay attention to rigging instructions included in both Blueprint AV™ and the IS-Series Rigging Manual.
- Use only with the rigging frames/accessories specified by Adamson, or sold with the loudspeaker system.

- This speaker enclosure is capable of creating a strong magnetic field. Please use caution around the enclosure with data storage devices such as hard drives.

In an effort to continuously improve its products, Adamson releases updated accompanying software, presets and standards for its products. Adamson reserves the right to change the specifications of its products and the content of its documents with no prior notice.

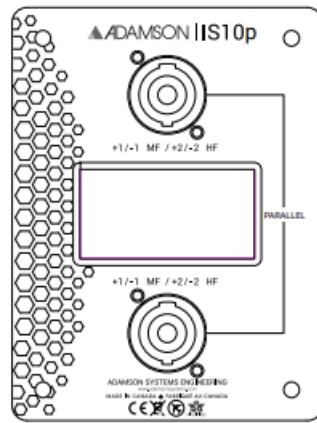
## IS10p Sub-Compact Point Source



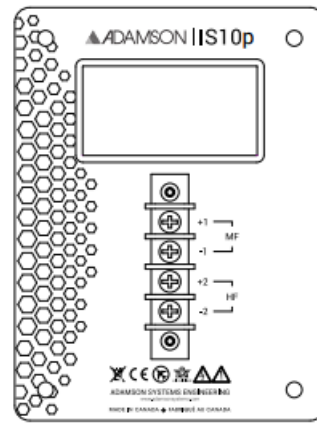
- The IS10p is a sub-compact point source enclosure designed with high output level and high clarity in mind. It has an unobtrusive visual design which blends seamlessly into the surrounding space. It contains two symmetrically arrayed 10" transducers and a 3" compression driver mounted on an Adamson waveguide.
- The high frequency waveguide is rotateable in increments of 90°. The nominal dispersion pattern is 70° x 40° (HxV). A 100° x 50° high frequency waveguide is also available.
- Adamson's use of proprietary technologies such as Advanced Cone Architecture give the IS10p an extremely high maximum SPL level of 139 dB.
- The nominal impedance of the IS10p is 8  $\Omega$  per band, maximizing amplifier efficiency.
- The operational frequency range of the IS10p is 60Hz to 18kHz, +/- 3 dB.
- The IS10p is intended to be used as either a standalone system, or a fill enclosure in tandem with other IS-Series products. The IS10p is designed to pair easily and coherently with IS-Series subwoofers.
- The wooden enclosure is made of marine grade birch plywood, and has a steel rigging system mounted on each side. Without sacrificing low resonance to composite material, the IS10p is able to maintain a low weight of 21 kg / 46.3 lbs.
- The IS10p is designed for use with Lab.gruppen's D-Series line of installation amplifiers.

## Wiring

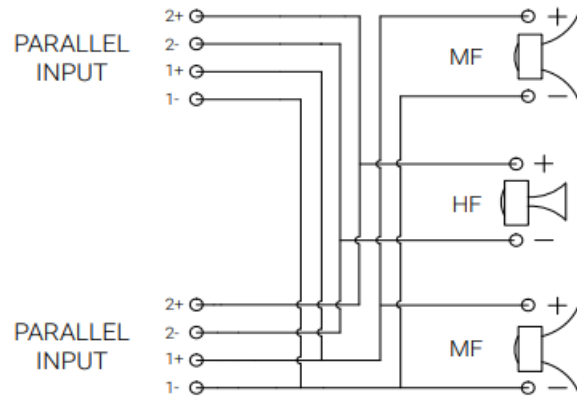
- The IS10p (70x40 – 963-0004/100x50 – 963-0006) comes with 2x Neutrik Speakon™ NL4 connections, wired in parallel.
- The IS10pb (70x40 – 963-0005/100x50 – 963-0007) comes with an external barrier strip.
- Pins 1+/- are connected to the 2x ND10-LM MF transducers, wired in parallel.
- Pins 2+/- are connected to the NH3-8 HF transducer.



IS10p Jackplate



IS10pb Jackplate



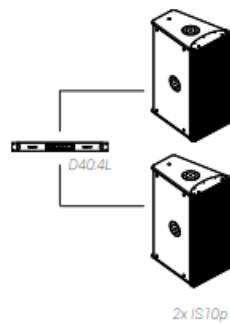
## Amplification

The IS10p is paired with Lab.gruppen D-Series amplifiers.

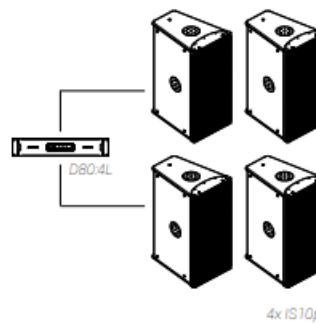
Maximum quantities per amplifier are shown below.

For a master list, please refer to the Adamson Amplification Chart, found

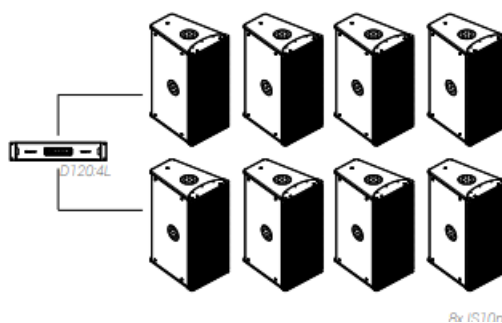
<https://adamsonsystems.com/support/downloads-directory/is-amplifier-v5-0-1-7-1-2-1-1>



2x IS10p



4x IS10p



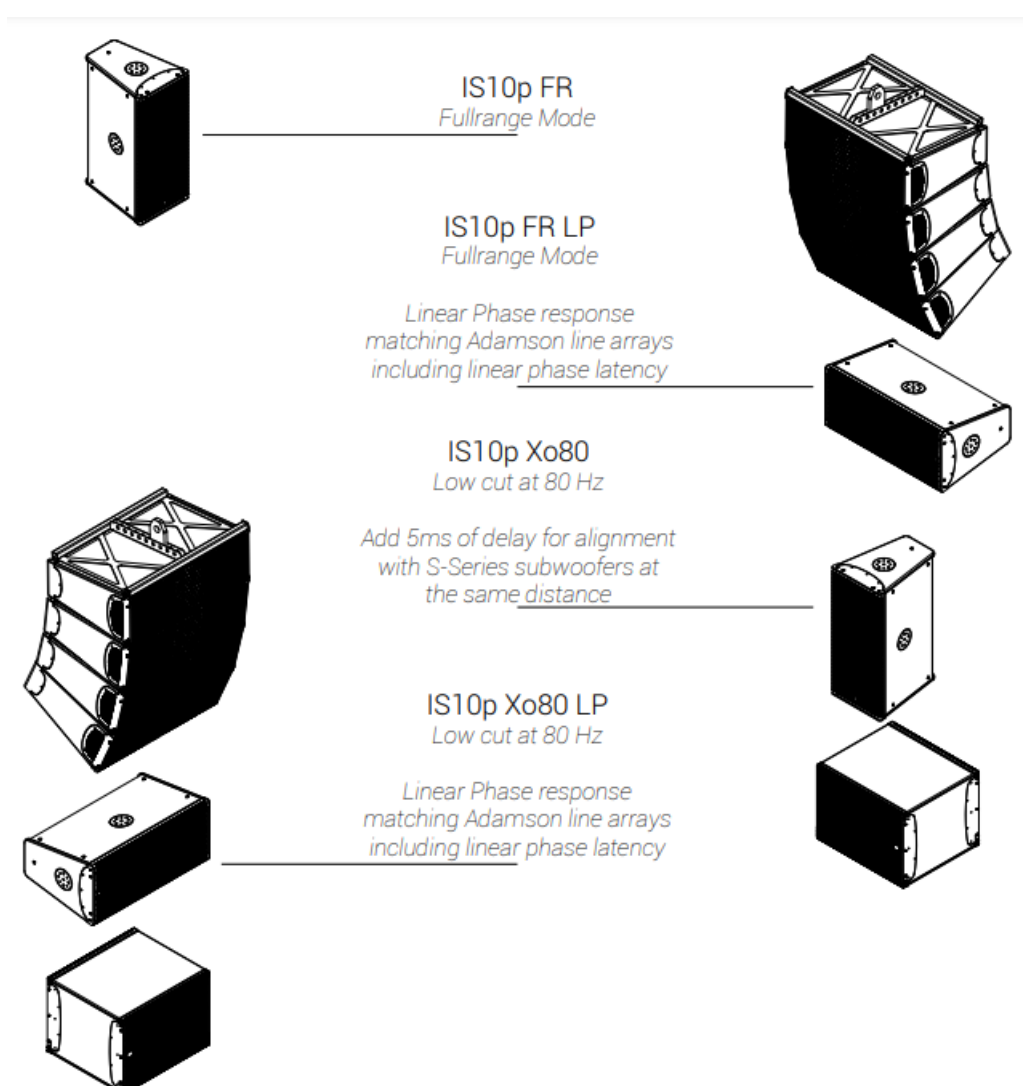
8x IS10p

Enclosure	Frequency Band	Output Channel	Cable
IS10p #1	LF	1	#1 (Pin 1, +/-)
	HF	2	#1 (Pin 2, +/-)
IS10p #2	LF	3	#2 (Pin 1, +/-)
	HF	4	#2 (Pin 2, +/-)

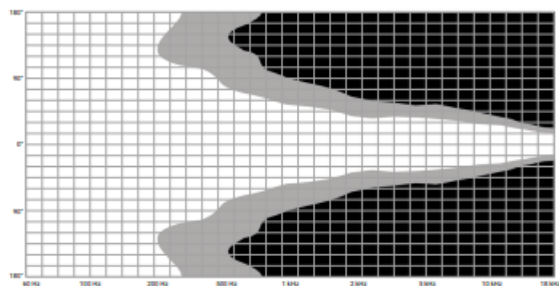
## Presets

The Adamson Load Library, found on the Adamson website, contains presets designed for a variety of IS10p applications. Furthermore, there are presets designed to pair with either Adamson subs, or Adamson Line Arrays. For a master list, please refer the Adamson PLM & Lake Handbook, found on our website.

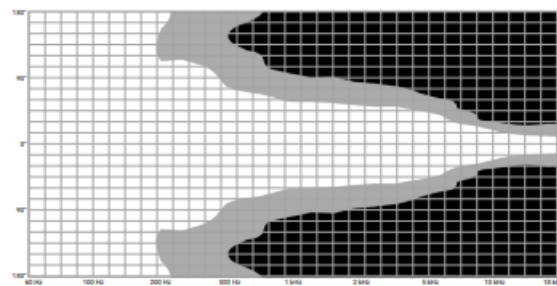
<https://adamsonsystems.com/support/downloads-directory/design-and-control/e-rack/205-adamson-plm-lake-handbook>



## Technical Specifications



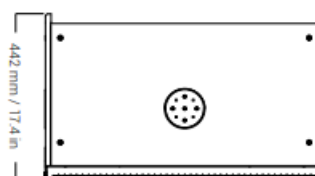
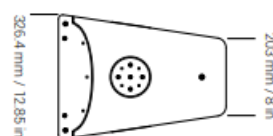
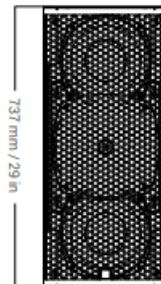
IS10p (70x40) Horizontal Pattern



IS10p (100x50) Horizontal Pattern

Frequency Range (+/- 3dB)	60 Hz - 18 kHz
Nominal Directivity (-6 dB) H x V	70° x 40° (optional 100° x 50° available)
Maximum Peak SPL**	139 dB
Components LF	2x ND10-LM 10" Neodymium Driver
Components HF	Adamson NH3-8 3" Diaphragm / 1.4" Exit Compression Driver
Nominal Impedance LF	8 Ω (2x 16 Ω)
Nominal Impedance HF	8 Ω
Power Handling (AES / Peak) LF	700 / 2800 W
Power Handling (AES / Peak) HF	110 / 440 W
Rigging	Integrated Rigging System
Connection	2x Speakon™ NL4 or Barrier Strips
Height (mm / in)	737 / 29
Width Front (mm / in)	326.4 / 12.85
Width Rear (mm / in)	203 / 8
Depth (mm / in)	442 / 17.4
Weight (kg / lbs)	21 / 46.3
Colour	Black & White (Standard), RAL Colours (On Demand)
Processing	Lake

\*\*12 dB crest factor pink noise at 1m, free field, using specified processing and amplification



## Documents / Resources



[ADAMSON IS10p Point Source Bi Amped](#) [pdf] User Manual  
IS10p Point Source Bi Amped, IS10p, Point Source Bi Amped

## References

- [▲ IS10p](#)

Manuals+.